ABSTRACT

To provide an electric potential measuring device which is useful in realizing size reduction, high sensitivity, and high reliability. The electric potential measuring device includes: an oscillating device which includes torsion springs, and an oscillating body axially supported by the springs to oscillate; and signal detecting unit which is located on a surface of the oscillating body. A capacitance between the detection electrode and a surface of an electric potential measuring object is varied by varying a distance therebetween by the oscillating device, whereby an output signal appearing on the detection electrode is detected.

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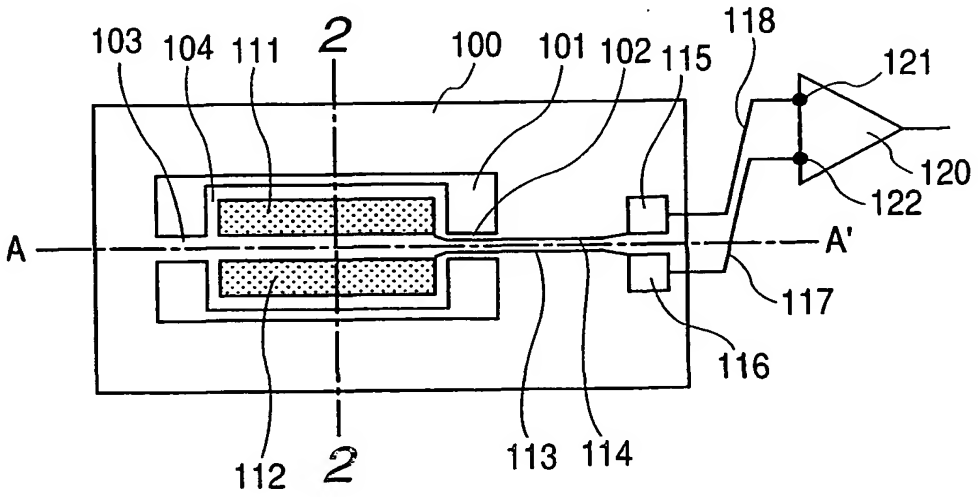
(54) Title: ELECTRIC POTENTIAL MEASURING DEVICE USING OSCILLATING DEVICE, IMAGE FORMING APPARATUS, AND ELECTRIC POTENTIAL MEASURING METHOD



(57) Abstract: To provide an electric potential measuring device which is useful in realizing size reduction, high sensitivity, and high reliability. The electric potential measuring device includes: an oscillating device (104) which includes torsion springs (103, 102), and an oscillating body axially supported by the springs to oscillate; and signal detecting unit (111, 112) which is located on a surface of the oscillating body. A capacitance between the detection electrode and a surface of an electric potential measuring object is varied by varying a distance therebetween by the oscillating device, whereby an output signal appearing on the detection electrode is detected.

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